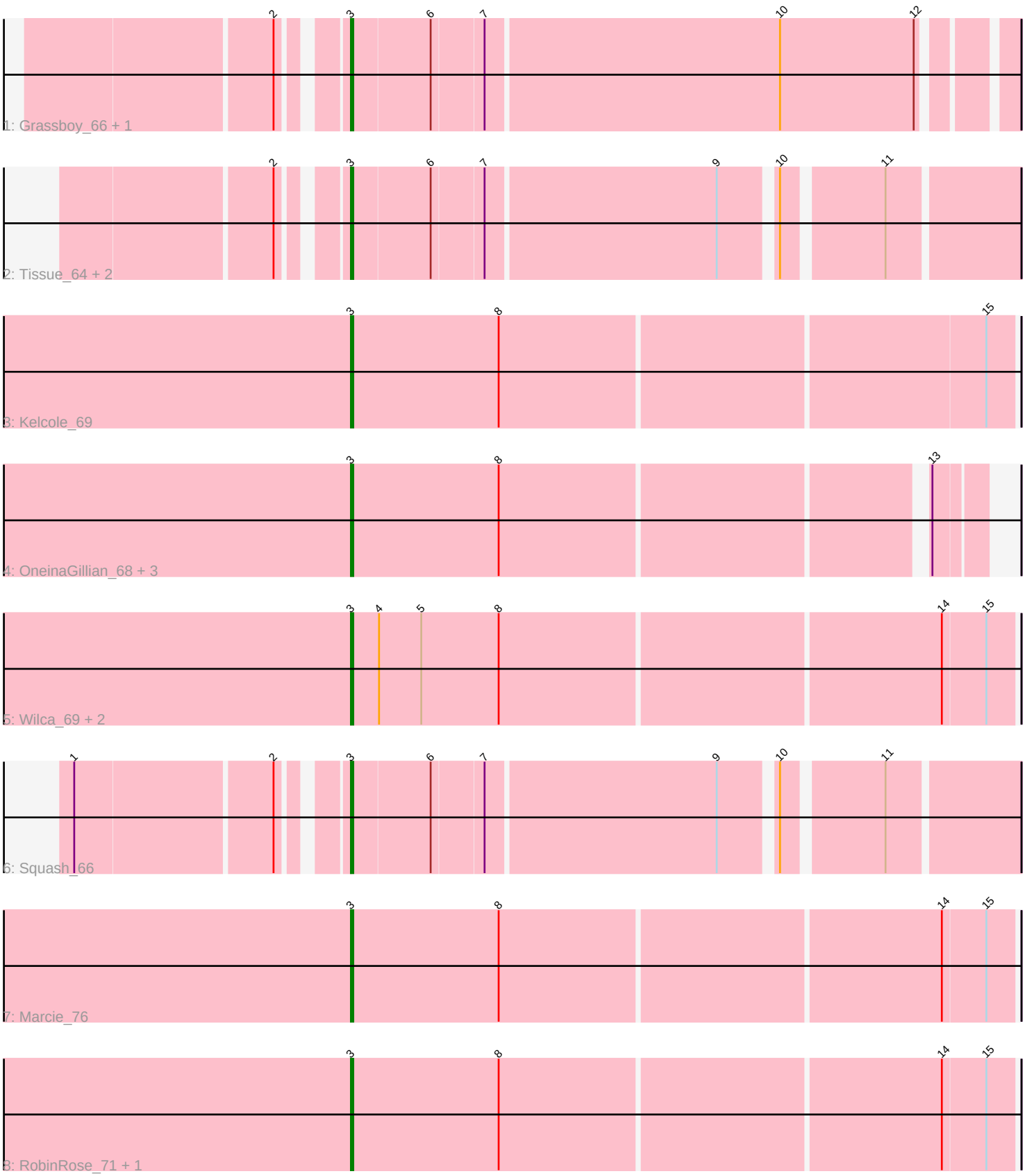
Pham 196903


2
3
6
7
10
12
1: Grassboy_66 + 1
2
3
6
7
9
10
11
2: Tissue_64 + 2
3
8
15
3: Kelcole_69
3
8
13
4: OneinaGillian_68 + 3
3
4
5
8
14
15
5: Wilca_69 + 2
1
2
3
6
7
9
10
11
6: Squash_66
3
8
14
15
7: Marcie_76
3
8
14
15
8: RobinRose_71 + 1

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 196903 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196903 has 17 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Grassboy_66, Kyva_66
• Track 2 : Tissue_64, Nike_65, Judebell_64
• Track 3 : Kelcole_69
• Track 4 : OneinaGillian_68, Tempo_70, CandC_67, Fregley_70
• Track 5 : Wilca_69, Pepe25_67, BirdInFrench_69
• Track 6 : Squash_66
• Track 7 : Marcie_76
• Track 8 : RobinRose_71, Romm_71

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 3, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BirdInFrench_69, CandC_67, Fregley_70, Grassboy_66, Judebell_64, Kelcole_69, Kyva_66, Marcie_76, Nike_65, OneinaGillian_68, Pepe25_67, RobinRose_71, Romm_71, Squash_66, Tempo_70, Tissue_64, Wilca_69,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 3:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdInFrench_69 (EG), CandC_67 (EG), Fregley_70 (EG), Grassboy_66 (EG), Judebell_64 (EG), Kelcole_69 (EG), Kyva_66 (EG), Marcie_76 (EG), Nike_65 (EG), OneinaGillian_68 (EG), Pepe25_67 (EG),

RobinRose_71 (EG), Romm_71 (EG), Squash_66 (EG), Tempo_70 (EG), Tissue_64 (EG), Wilca_69 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 3 was manually annotated 12 times for cluster EG.

Gene Information:

Gene: BirdInFrench_69 Start: 45105, Stop: 44830, Start Num: 3
Candidate Starts for BirdInFrench_69:
(Start: 3 @45105 has 12 MA's), (4, 45093), (5, 45075), (8, 45042), (14, 44859), (15, 44841),

Gene: CandC_67 Start: 44307, Stop: 44053, Start Num: 3
Candidate Starts for CandC_67:
(Start: 3 @44307 has 12 MA's), (8, 44244), (13, 44073),

Gene: Fregley_70 Start: 44656, Stop: 44402, Start Num: 3
Candidate Starts for Fregley_70:
(Start: 3 @44656 has 12 MA's), (8, 44593), (13, 44422),

Gene: Grassboy_66 Start: 45240, Stop: 44974, Start Num: 3
Candidate Starts for Grassboy_66:
(2, 45261), (Start: 3 @45240 has 12 MA's), (6, 45207), (7, 45186), (10, 45063), (12, 45006),

Gene: Judebell_64 Start: 44542, Stop: 44279, Start Num: 3
Candidate Starts for Judebell_64:
(2, 44563), (Start: 3 @44542 has 12 MA's), (6, 44509), (7, 44488), (9, 44392), (10, 44371), (11, 44332),

Gene: Kelcole_69 Start: 44879, Stop: 44604, Start Num: 3
Candidate Starts for Kelcole_69:
(Start: 3 @44879 has 12 MA's), (8, 44816), (15, 44615),

Gene: Kyva_66 Start: 45263, Stop: 44997, Start Num: 3
Candidate Starts for Kyva_66:
(2, 45284), (Start: 3 @45263 has 12 MA's), (6, 45230), (7, 45209), (10, 45086), (12, 45029),

Gene: Marcie_76 Start: 45775, Stop: 45500, Start Num: 3
Candidate Starts for Marcie_76:
(Start: 3 @45775 has 12 MA's), (8, 45712), (14, 45529), (15, 45511),

Gene: Nike_65 Start: 45576, Stop: 45313, Start Num: 3
Candidate Starts for Nike_65:
(2, 45597), (Start: 3 @45576 has 12 MA's), (6, 45543), (7, 45522), (9, 45426), (10, 45405), (11, 45366),

Gene: OneinaGillian_68 Start: 44414, Stop: 44160, Start Num: 3

Candidate Starts for OneinaGillian_68:
(Start: 3 @44414 has 12 MA's), (8, 44351), (13, 44180),

Gene: Pepe25_67 Start: 44024, Stop: 43749, Start Num: 3
Candidate Starts for Pepe25_67:
(Start: 3 @44024 has 12 MA's), (4, 44012), (5, 43994), (8, 43961), (14, 43778), (15, 43760),

Gene: RobinRose_71 Start: 45063, Stop: 44788, Start Num: 3
Candidate Starts for RobinRose_71:
(Start: 3 @45063 has 12 MA's), (8, 45000), (14, 44817), (15, 44799),

Gene: Romm_71 Start: 45060, Stop: 44785, Start Num: 3
Candidate Starts for Romm_71:
(Start: 3 @45060 has 12 MA's), (8, 44997), (14, 44814), (15, 44796),

Gene: Squash_66 Start: 45411, Stop: 45148, Start Num: 3
Candidate Starts for Squash_66:
(1, 45513), (2, 45432), (Start: 3 @45411 has 12 MA's), (6, 45378), (7, 45357), (9, 45261), (10, 45240), (11, 45201),

Gene: Tempo_70 Start: 45003, Stop: 44749, Start Num: 3
Candidate Starts for Tempo_70:
(Start: 3 @45003 has 12 MA's), (8, 44940), (13, 44769),

Gene: Tissue_64 Start: 45109, Stop: 44846, Start Num: 3
Candidate Starts for Tissue_64:
(2, 45130), (Start: 3 @45109 has 12 MA's), (6, 45076), (7, 45055), (9, 44959), (10, 44938), (11, 44899),

Gene: Wilca_69 Start: 45105, Stop: 44830, Start Num: 3
Candidate Starts for Wilca_69:
(Start: 3 @45105 has 12 MA's), (4, 45093), (5, 45075), (8, 45042), (14, 44859), (15, 44841),